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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/840,219	05/07/2004	Tsung-Chun Chen	2450-0694PUS1	9687

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EXAMINER

DESCHERE, ANDREW M

ART UNIT	PAPER NUMBER
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2836

SHORTENED STATUTORY PERIOD OF RESPONSE	NOTIFICATION DATE	DELIVERY MODE
3 MONTHS	01/18/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 01/18/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary	Application No. 10/840,219	Applicant(s) CHEN ET AL.	
	Examiner Andrew M. Deschere	Art Unit 2836	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>5/7/04</u> . | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Objections

Claim 1 recites the limitation "the power supply" in lines 11 and 15-16. There is insufficient antecedent basis for this limitation in the claim. Examiner assumes this limitation to refer to the "parallel power supplies".

Claims 1-3 objected to because of the following informalities: the term "parallel power supply" is referred to in the context of the claims as a plural term, and should be changed to "parallel power supplies". Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3 rejected under 35 U.S.C. 103(a) as being unpatentable over Tsujikado (US 6,597,074) and Massie (US 6,144,115).

Tsujikado discloses a power source control system for connecting a plurality of power supplies (Figure 3, elements 32 and 36). A power actuation unit (switch 44) outputs a signal to activate power output (Figure 1, SW_ON, terminal 52; column 5, lines 55-60). A control unit (48) receives this signal and outputs a second signal (AC_SWITCH, terminal 76) to connect a selected power supply to the load, a computer (12) (column 6, lines 20-33). The AC power supply (32) connects to an interface (46), providing a signal (LINE_ON, terminal 50) indicating its power state (column 5, lines 52-55). Another signal (AC_ON/OFF, terminal 72) is output to

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the load (communication interface 20 of computer 12), indicating power status (column 6, lines 1-7).

Tsujikado does not teach a plurality of second actuation signals (as above, AC_SWITCH) nor a plurality of second confirmation signals (as above, LINE_ON). Massie discloses a power sharing distribution system with three connected power supplies (Figure 1). A controller (C) outputs a plurality of actuation signals (GS-A, GS-B, and GS-C) and receives a plurality of confirmation signals (EN-A, EN-B, and EN-C) from the power supplies (column 4, lines 12-45). It would have been obvious to one of ordinary skill in the art at the time of the invention to include a plurality of AC power supplies in the invention of Tsujikado to further secure uninterrupted power supplied to the load by sharing the current drawn among three supplies and lessening individual burden on a single AC supply.

With respect to Figure 3, Tsujikado does not teach that the control unit may be realized as an integrated circuit. Massie discloses a power distribution system with plural power supplies. The controller of Massie is an integrated circuit (Figure 3; column 7, lines 4-10) with signal output pins (GS-A, GS-B, and GS-C) corresponding to each power supply (Power Supply A-C, Figure 1). It would have been obvious to one of ordinary skill in the art at the time of the invention to use an integrated circuit controller in the above combination of Tsujikado and Massie to minimize physical space used by the control unit and limit power dissipation due to heat losses compared to using the alternate option of discrete components.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US 7,114,084 (Cioaca) discloses a multiple input controlled power supply. US 6,034,443 (Oliemuller) teaches switching among three sources connected to a load.


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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew M. Deschere whose telephone number is (571) 272-8391. The examiner can normally be reached on M-F 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on (571) 272-2800 x36. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AMD



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